

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
28 July 2005 (28.07.2005)

PCT

(10) International Publication Number
WO 2005/069334 A1

(51) International Patent Classification⁷: H01H 71/46,
3/20, 9/00

Rainer [FI/FI]; Urputie 3 as 1, FI-66400 Laihia (FI).
MATTLAR, Harri [FI/FI]; Jungsundsvägen 809,
FI-65760 Iskmo (FI).

(21) International Application Number:
PCT/FI2005/000029

(74) Agent: KOLSTER OY AB; Iso Roobertinkatu 23, P.O.
Box 148, FI-00121 Helsinki (FI).

(22) International Filing Date: 18 January 2005 (18.01.2005)

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(25) Filing Language: English

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

(26) Publication Language: English

(30) Priority Data:
20040066 19 January 2004 (19.01.2004) FI

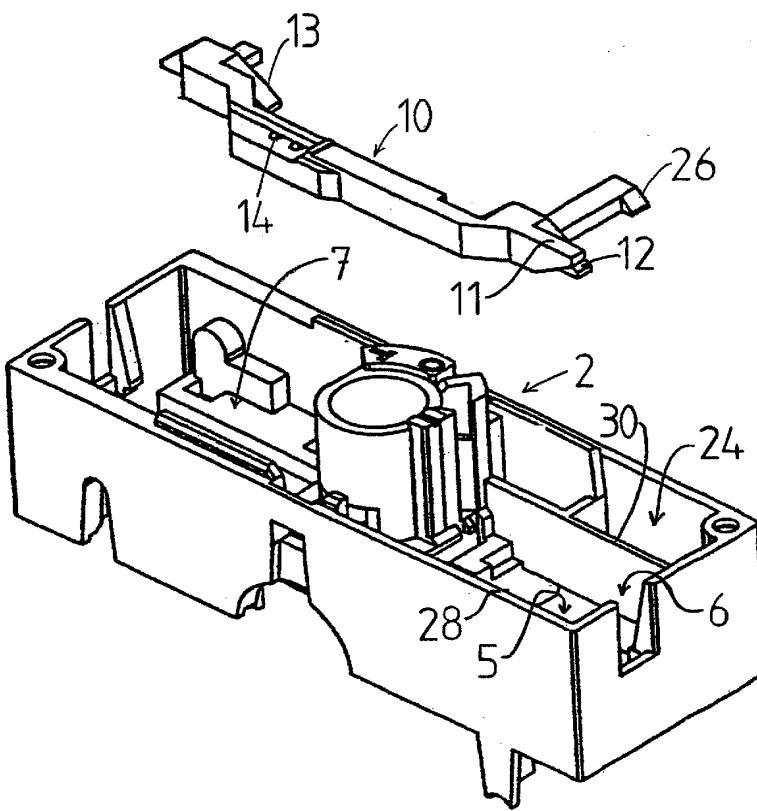
(71) Applicant (for all designated States except US): ABB OY
[FI/FI]; Strömbergintie 1, FI-00380 Helsinki (FI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KOLMONEN,

[Continued on next page]

(54) Title: AUXILIARY CONTACT CONFIGURATION FOR SWITCHING DEVICE



(57) Abstract: An auxiliary contact configuration for a switching device, the switching device comprising a frame part (2) and the auxiliary contact configuration comprising a first auxiliary contact position (5) provided in the frame part (2) and arranged to receive an auxiliary contact (8), and a movable auxiliary contact control device (10) comprising a first control element (11) arranged to control the auxiliary contact (8) installed in the first position (5). The auxiliary contact configuration comprises a second auxiliary contact position (6) provided near the first auxiliary contact position (5), and the auxiliary contact control device (10) comprises a second control element (12) arranged to control the auxiliary contact (8) installed in the second position (6) in a manner different from the manner in which the first control element (11) is arranged to control the auxiliary contact (8) installed in the first position (5).



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM,

AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.